

ABSTRACT

A method of removing moisture and toxic gas components from exhaust gas, comprises making exhaust
5 gas, exhausted from an LNG burning boiler, flow through
coolant contained in a dehydrating tower to cool it to
such a temperature as to solidify moisture and nitrogen
oxides but not carbon dioxide, thereby solidifying
moisture and nitrogen oxides contained in the exhaust
10 gas to separate from the exhaust gas; introducing the
solidified moisture and nitrogen oxides into a
solid-liquid separator thereby separating the moisture
or the nitrogen oxides from the coolant; and making the
coolant be contained in a cooling tower so as to be cooled,
15 and then making the coolant be contained in the
dehydrating tower again so as to be circulated.